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Mexico." Its most striking character is the coloration of the tail in the female, the rectrices being "broadly margined with gray, instead of . . . narrowly edged with olivaceous brown" as in *C. cardinalis*.

The paper closes with a list of the birds observed which were not recorded* from Corpus Christi by Mr. Beckham, and another of those recorded by Mr. Beckham but which Mr. Chapman did not find.—C. F. B.

Chapman 'On the Color Pattern of the Upper Tail-coverts in *Colaptes auratus*.'† — Mr Chapman has availed himself of a large series of skins of *Colaptes* to study the differences in color pattern of the upper tail-coverts. He finds two distinct styles of marking with many variations and intermediate forms; one of these consists of transverse barring; the other shows longitudinal or concentric markings parallel to the border of the feather. Mr. Chapman's material leads him to conclude that the former pattern prevails among young birds and that a change to the other style is accomplished through successive moults.

He further believes that sufficient material—as yet lacking—of the more southern species of the genus will show them to possess the transversely barred pattern, which, if it should prove the case, might indicate that *C. auratus* is a more recent and extreme offshoot from the main *Colaptes* stock. Sex and locality seem to have nothing to do with these differences, but apparently there is enough individual variation in the markings to make satisfactorily definite conclusions difficult.—C. F. B.

Minor Ornithological Publications.—Forest and Stream.

This journal was last noticed in these pages in Vol. VII, pp. 388-398 (October, 1890). In Vols. XXXV and XXXVI we note the following (Nos. 2113-2203).

2113. *Hermit Thrush (T. pallasiæ) in Maryland in Summer.* By Arthur Resler. 'Forest and Stream,' Vol. XXXV, No. 1, July 24, 1890, p. 11.

2114. *Chinese Pheasants in America.* Editorial, *Ibid.*, July 31, p. 28.

2115. *Pointer Dog and Mother Duck.* By A. B. H. *Ibid.*, Aug. 7, p. 48. — *Aix sponsa*.

2116. *Woodcock in Town.* By Hy. J. Growtage. *Ibid.*

2117. *Migration of Prairie Chickens.* By Levi S. Kegale. *Ibid.*, Aug. 21, p. 88.

2118. *Six Weeks with a Sparrow Family.* By Julia M. Hooper. *Ibid.*, Sept. 11, pp. 146, 147.

2119. *California Quail.* By A. *Ibid.*, Sept. 25, p. 187.

* Proc. U. S. Nat. Mus., X, 633-696.

† On the Color-Pattern of the Upper Tail-Coverts in *Colaptes auratus*. By Frank M. Chapman. Bulletin American Museum of Natural History, Vol. III, No. 2, Art. XXI, pp. 311-314.

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2120. *The Heath Hen. Notes on the Heath Hen (Tympanuchus cupido) of Massachusetts.* By William Brewster. *Ibid.*, p. 188.

2121. *Wild Pigeons in Virginia.* By D. *Ibid.*, p. 190.

2122. *Heath Hen of Martha's Vineyard.* By J. E. Howland. *Ibid.*, Oct. 2, p. 207.

2123. *Nesting Birds and Scent.* By Hermit. *Ibid.*

2124. *Ways of the Ruffed Grouse.* By Dorp. *Ibid.*, p. 210; Oct. 16, p. 249.

2125. *Notes on the Woodcock.* By D. S. S. *Ibid.*, Oct. 23, p. 267.

2126. *A Grouse Combat.* By Dorp. *Ibid.*, Oct. 30, pp. 286, 287.

2127. *Quail Invade Washington.* By T. H. B. *Ibid.*, p. 289. — *Colinus virginianus* in the city.

2128. *Woodcock, Whistle and Worm.* By H. B. N. *Ibid.*, Nov. 6, p. 307.

2129. *Chinese Pheasants in Illinois.* By W. O. Blaisdell. *Ibid.*, p. 312.

2130. *In a Heap of Leaves.* By Dorp. *Ibid.*, Nov. 13, p. 331. — *Bonasa umbellus*.

2131. *The Yellow Rail in Michigan.* By Morris Gibbs. *Ibid.*, Nov. 20, p. 347.

2132. *Another Woodcock in Brooklyn.* By W. Arthur Hale. *Ibid.* p. 352.

2133. *The Ways of the Woodcock.* By Chas. H. Eldon. *Ibid.*, Nov. 27, p. 372.

2134. *Land Birds at Sea.* By George Shepard Page. *Ibid.*

2135. *The Chickadee for Public Parks.* By Hermit. *Ibid.* — *Parus atricapillus* said to have modified its habits under partial domestication.

2136. *Second Occurrence of the Red Phalarope at Monroe, Michigan.* By Robt. B. Lawrence. *Ibid.*

2137. *Food of the American Goshawk.* By W. L. Bishop. *Ibid.*, Dec. 4, p. 391. — *Bonasa umbellus*.

2138. *A Snowbird in a Crockery Store.* By J. L. Davison. *Ibid.* — *Junco hyemalis*.

2139. *The American Woodcock.* Editorial. *Ibid.*, Dec. 11, p. 411.

2140. *The American Woodcock.* By Gurdon Trumbull. *Ibid.*, p. 412. — Observations on feeding habits and notes in captivity.

2141. *A Skeleton of the Ivory-bill.* By R. W. Shufeldt. *Ibid.*, Dec. 18, p. 431. — *Campephilus principalis*.

2142. *Chinese Pheasants.* By J. F. L. *Ibid.* — Habits in Oregon.

2143. *Yellow Rail in Chicago.* By Korax. *Ibid.*

2144. *Evening Grosbeak in New York.* By Morris M. Green. *Ibid.* — At Ithaca, N. Y., Dec. 11, 1890.

2145. *The Woodcock's Whistle.* By William Brewster and U. S. G. White. *Ibid.*, Dec. 25, pp. 453, 454. — Controverting and confirming some of Mr. Trumbull's statements in No. 2042.

2146. *Snowy Owls.* By E. W. L. and 'Del. A. Ware.' *Ibid.*, p. 454.

[Forest and Stream.—Continued.]

2147. [*The notes of the Woodcock.*] Editorial. *Ibid.*, Jan. 1, 1891, p. 470.
2148. *The Woodcock's Whistle.* By Geo. A. Boardman and T. M. Aldrich. *Ibid.*, p. 472.
2149. *Surrounded by Snow Buntings.* By J. D[=L]. Davison. *Ibid.*
2150. *Snowy Owls.* By H. *Ibid.*—In Nebraska.
2151. *A Belated Woodcock.* By J. H. B. *Ibid.*, p. 475.
2152. *The Woodcock's Twitter.* By Gurdon Trumbull and W. *Ibid.*, Jan. 8, p. 491.
2153. *Japanese Pheasants in Oregon.* By W. A. Wilcox. *Ibid.*
2154. *The Curlew's Bill.* By Geo. A. Boardman. *Ibid.*
2155. *Chicago and the West.* By E. Hough. *Ibid.*, pp. 493, 494.—Contains some discussion of the vernacular names of Geese.
2156. *The Woodcock's Whistle.* By R. W. Shufeldt, Henry B. Nicol, and John Burroughs. *Ibid.*, Jan. 15, p. 511.
2157. *Mockingbirds Breeding in Massachusetts.* By E. H. Lathrop. *Ibid.*
2158. *Ivory-bills.* By W. E. Hudson. *Ibid.*—*Campephilus principalis*.
2159. *Perth Amboy, N. J.* By J. L. K. *Ibid.*—*Nyctea nyctea* and *Uria lomvia*.
2160. *The Woodcock's Whistle.* By H. Austin, A. H. P., J. Gantz, and J. S. M. *Ibid.*, Vol. XXXVI, Jan. 22, 1891, pp. 2, 3.
2161. *An Unseasonable Rail.* By Sinkboat. *Ibid.*, Feb. 5, p. 44.—*Rallus virginianus* in Maryland in January.
2162. *Florida Bird Notes.* By O. K. Chobee. *Ibid.*—At Biscayne Bay.
2163. *Maine Winter Birds.* By D. *Ibid.*, Feb. 12, p. 63.
2164. *Winter Rail.* By W. A. H. *Ibid.*, p. 64.—*Rallus elegans* and *Nyctea nyctea* in New York. See also *ibid.*, Feb. 19, p. 84.
2165. *Winter Robins in New England.* By C. H. G. *Ibid.*, Feb. 19, p. 84.—Contains notes also on *Nyctea nyctea*.
2166. *Pelican and Catfish.* By O. K. Chobee. *Ibid.*, Feb. 26, p. 104.
2167. *Song Sparrows Rearing Kingbirds.* By Reuben M. Strong. *Ibid.*, pp. 104, 105.
2168. *Winter Rail on Long Island.* By Alfred A. Fraser. *Ibid.*, p. 105.—*Rallus virginianus*.
2169. *Eider Duck on the Niagara.* By Eben P. Dorr. *Ibid.*—*Somateria spectabilis*.
2170. *Wilson's Snipe in Rhode Island.* By F. L. G. *Ibid.*
2171. *The Woodcock's Noise.* By H. Austen and Wm. E. Præger. *Ibid.*, March 5, p. 123.
2172. *Ways of the Ruffed Grouse.* By Dorp. *Ibid.*
2173. *Winter Robins in New England.* By J. W. G. *Ibid.*
2174. *Quail in a Skunk Trap.* By A. V. R. *Ibid.*, p. 124.
2175. *Evening Grosbeak in Pennsylvania.* By F. F. C. *Ibid.*

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2176. *Early Woodcock*. By J. P. B. *Ibid.*, p. 126.
2177. *Drumming of the Grouse*. *Ibid.*, March 12, p. 148.
2178. *Snowy Owl in New York*. *Ibid.*
2179. *Snowy Owl*. By Woronoco. *Ibid.*
2180. *Doves Nesting in Trees*. By S. A. Ball. *Ibid.*, March 19, p. 167. — With notes on nesting of several other birds.
2181. *Dakota Game Birds*. By Elmer T. Judd. *Ibid.*, p. 169. — Chiefly Water Birds.
2182. *Whistling Up a Woodcock*. By John J. Harris. *Ibid.*, March 26, p. 187.
2183. *Harlequin Duck at Cohasset*. By E. H. Clark. *Ibid.*
2184. *Wild Geese*. By Richard Gear Hobbs. *Ibid.*, p. 188. — Causes of scarcity.
2185. *Wild Geese and Electric Lights*. By F. B. *Ibid.*, April 9, p. 227.
2186. *Sierra Nevada Notes*. By Arefar. *Ibid.*, p. 229. — Contains notes on *Merula m. propinqua* and other species.
2187. *Why the Grouse Drums*. By Dorp. *Ibid.*, April 16, p. 248.
2188. *Eagle and Jack Rabbit*. By W. L. J. *Ibid.*
2189. *Bird Notes from Missouri*. By Jasper Blines. *Ibid.*, April 23, p. 268.
2190. *Sounds of Woodcock and Snipe*. By H. Austen. *Ibid.*
2191. *The Ways of the Ruffed Grouse*. By Dorp. *Ibid.*, April 30, p. 290.
2192. *Puzzled Geese*. By F. L. B. *Ibid.*, May 7, p. 310.
2193. *The Ways of Snipe*. By Henry B. Nicol, M.D., *Ibid.*
2194. *The Drumming of the Grouse*. By Hermit. *Ibid.*, May 14, p. 327.
2195. *Downy Woodpecker or Sapsucker*. By Henry Stewart. *Ibid.*, May 21, p. 347.
2196. *A Sparrow-killing Crow*. By W. H. *Ibid.*, p. 348.
2197. *Indians and Wildfowl*. By J. W. Schultz. *Ibid.*, June 4, p. 391. — Destruction of Ducks and Geese in the far North.●
2198. *Ruffed Grouse in Confinement*. By O. O. S. *Ibid.*, June 11, p. 411. — See also *ibid.*, July 9, p. 496.
2199. *Fulvous Tree Duck in Missouri*. Editorial. *Ibid.*, June 18, p. 435. — See also *ibid.*, July 2, p. 476.
2200. *Florida Hummingbirds*. By Didymus. *Ibid.*, June 25, p. 455.
2201. *Bird Notes from Takoma*. By R. W. Shufeldt. *Ibid.*, pp. 455, 456. — In the District of Columbia.
2202. *Pennsylvania Notes*. By H. *Ibid.*, July 9, p. 496.
2203. *Breeding of the Teal Duck*. By J. G. S. *Ibid.* — *Anas discors* near Geneva, N. Y. — C. F. B.